University of Applied Sciences

HOCHSCHULE EMDEN·LEER

At the **University of Applied Sciences Emden/Leer**, **Faculty of Technology**, **Emden Campus**, in the Institute for Hyperloop Technology (IHT) within the framework of the Horizon2020 project "**ePIcenter**" funded by the European Commission, the following position is to be filled as of January 1st, 2021 with half of the regular weekly working hours of a full-time job - limited until November 30rd, 2023

Research assistant as PhD student
in the subproject "Artificial Intelligence & Optimization of Logistics Tools"
(according to the required qualification up to E 13 TV-L, 50 %)
Code number T 224

The University of Applied Sciences Emden/Leer is a driving force for the region and sets an example for innovative developments in the northwest with excellent equipment for applied research. The "**ePIcenter**" project, which is funded by the EU with approx. 7 million Euro, is being carried out by 37 international partners who are developing the logistics of the future with demonstrators. For this purpose, the research group with the excellent infrastructure of the university as well as the project partners of the research consortitium "**ePIcenter**" are at your disposal. With physical demonstrators on laboratory scale as well as a test track, subsystems are investigated. This position is responsible for control and automation technology and for the implementation and programming of complex systems. Within the scope of the cooperation with the Carl von Ossietzky University Oldenburg in the Engineering Physics course of studies, we offer you an inspiring environment for the successful completion of a doctorate. You contribute to a climate-friendly society in an innovative field of research with outstanding importance for sustainability in the transport sector.

Your tasks:

- Scientific project collaboration for the development of logistics solutions with a hyperloop transportation system
- Interdisciplinary linking of engineering science and physics challenges
- Design, setup, further develop and evaluate test setups
- Realization of real-time capable interfaces and modular control software
- Design, acquisition, and integration of system components
- Preparation and presentation of research results in appropiate media, publications and at scientific conferences

Your profile:

- Above-average university degree (Master, Diploma), preferably computer science, electrical engineering or relevant engineering sciences
- Motivation to research climate-friendly transportation and logistics systems
- Experience in engineering practice
- Practical experience with soft- and hardware programming
- Knowledge in automation and control engineering
- Distinct flexibility, willingness to learn as well as readiness for interdisciplinary cooperation and teamwork
- Very good communication skills, both written and spoken, in German and English

What we offer:

- Independent research, embedded in an excellent, motivated team of professors, scientists and students in the research department;
- Corporate pension scheme;
- Flexible working times and family-friendly infrastructure and support scheme (childcare); and
- College sport and health programs for employees.

Prof. Dr. Walter Neu (e-mail: walter.neu@hs-emden-leer.de) and Prof. Dr.-Ing. Thomas Schüning (e-mail: thomas.schuening@hs-emden-leer.de) are available to answer any questions you may have.

The university strives to increase the proportion of women in its academic staff and strongly encourages women to apply. Severely disabled applicants will be given special consideration if they are equally qualified.

Have we aroused your interest?
Then send your application with the relevant documents, quoting the reference number, online via our career portal or by post:

Hochschule Emden/Leer
Personalabteilung

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https://karriere.hs-emden-leer.de/